Index of Claims



Application No.

10/627,722

Examiner

Applicant(s)

WATANABE ET AL.

Art Unit

Donald Underwood

3652

Rejected Allowed

(Through numeral) Cancelled

Restricted

Non-Elected N

Interference

Appeal

O Objected

|          |                       |          |  |  |              |                | •  |  |              |               |   | _ |
|----------|-----------------------|----------|--|--|--------------|----------------|--|--|--------------|---------------|---|---|
| Claim    |                       | г        |  |  |              | 3-4            |  |  |              |               | ı | Г |
|          | aimi                  | . 70     |  | _  | _            | Date           | -  |  |              | $\overline{}$ |   | ┝ |
| Final    | Original              | 092      |  |  |              |                |  |  |              |               |   |   |
|          | 1                     |          |  |  |              |                |  |  |              |               |   | r |
|          | 1<br>2<br>3<br>4<br>5 | Ť        |  |  |              |                |  |  |              |               |   | r |
|          | 3                     | T        |  |  |              |                | Г  |  |              |               |   | Γ |
|          | 4                     | П        |  |  |              |                |  |  |              |               |   | Γ |
|          | 5                     | П        |  | T  |              |                |  |  |              |               |   | Γ |
|          | 6                     | П        |  |  |              |                |  |  |              |               |   | Γ |
|          | 7                     | Ш        |  |  |              |                |  |  |              |               |   | Г |
|          | 8                     | Ш        |  | <u> </u>   | L            |                |  |  |              |               | ŀ | L |
|          | 9                     | Ш        |  |  |              | _              | L_   |  |              |               |   | Ļ |
|          | 10                    | Ш        |  | _  | <u> </u>     | _              | L.   |  |              | _             |   | L |
|          | 11                    | 1        | _  | <u> </u>   | _            | _              |  |  |              | ļ             |   | L |
|          | 11<br>12<br>13        | 1        | <u> </u>   | <u> </u>   | _            | _              | <u> </u>   | <u> </u>   |              | <u> </u>      | l | H |
| -        | 13                    | 0        | <u> </u>   | ├  | <u> </u>     |                |  |  |              | <u> </u>      | l | H |
|          | 14<br>15              | 1        | -  |  |              |                |  |  |              | _             | ł | ŀ |
|          | 15                    | H        | -  | ⊢  | $\vdash$     | -              |  |  |              | ├─            |   | H |
|          | 16<br>17              | H        | $\vdash$   |  | $\vdash$     |                |  | $\vdash$   | $\vdash$     | ┢             | l | H |
| <b>—</b> | 18                    | 1>       | <u> </u>   |  |              |                | -  | -  |              | -             | ł | H |
|          | 19                    | Ė        |  |  | -            |                | _  |  |              |               | İ | r |
|          | 20                    |          |  | _  | $\vdash$     |                |  |  |              |               | İ | r |
|          | 21                    |          | Π  | Г  |              |                |  |  |              |               | 1 | r |
|          | 22                    |          |  |  |              |                |  |  |              |               | ] | Г |
|          | 22<br>23              | $\Box$   |  |  |              |                |  |  |              |               |   |   |
|          | 24<br>25              |          |  |  |              | <u> </u>       | _  |  |              |               |   | L |
| <u> </u> | 25                    | _        | _  | L  | _            |                | <u> </u>   | <u> </u>   | <u> </u>     |               | ļ | L |
| <u> </u> | 26                    | ┡        | <u> </u>   | ⊢  | <b>—</b>     |                | <u> </u>   | <u> </u>   |              | _             | ļ | L |
|          | 27<br>28              | -        | ┝  | -  | -            | ⊢              | -  | -  | <del> </del> |               | - | ŀ |
|          | 29                    | -        | ⊢  |  | <del> </del> | ⊢              | ├  |  | ├            | -             | ł | ŀ |
|          | 30                    | -        |  | ┢  |              | ├              | -  | ├─   | $\vdash$     | _             |   | H |
|          | 31                    | $\vdash$ | ┢  | -  | -            | $\vdash$       | $\vdash$   | $\vdash$   | $\vdash$     |               |   | ۲ |
|          | 32                    | 1        | <del>                                     </del> |  |              |                |  |  | _            |               | 1 | r |
|          | 33                    | 1        | $\vdash$   |  |              |                |  |  |              |               | 1 | Γ |
|          | 34                    |          |  |  |              |                |  |  |              |               |   |   |
|          | 35                    |          |  |  | L            |                |  |  |              |               |   | L |
|          | 36                    | <u> </u> | <u>L</u>   | <u> </u>   | _            |                | <u> </u>   | <u> </u>   | <u> </u>     | <u> </u>      |   | L |
| ļ        | 37                    | ــــ     | <u> </u>   | <u> </u>   | -            | $\vdash$       | L  | ⊢  | <u> </u>     | <u> </u>      | - | L |
|          | 38                    | 1-       | -  | ⊢  | ₩            | $\vdash$       | _  | <u> </u>   |              | <del> </del>  | l | L |
|          | 39                    | 1        | ⊢  |  | -            | <del>  -</del> | <del> </del>                                     | <del> </del>                                     | <del> </del> | ├-            | 1 | H |
| -        | 40                    | ┼        | -  | <del> </del>                                     | -            | -              | -  | -  | -            | $\vdash$      | ł | H |
| <u> </u> | 42                    | ╁        | -  | -  | -            | ├              | ⊢  | $\vdash$   | ⊢            |               | ł | H |
| -        | 43                    | 1        | $\vdash$   | H  | 1            | $\vdash$       | $\vdash$   | <del>                                     </del> | $\vdash$     | $\vdash$      | ĺ | H |
|          | 44                    | $\vdash$ | $\vdash$   | <del>                                     </del> |              | -              | <del>                                     </del> | <del>                                     </del> | -            | H             | i | r |
|          | 45                    | 1        | T  |  |              | Г              | T  | T  | ┢            | 1             | 1 | r |
|          | 46                    | 1        |  | Π  | Γ            | Π              | 1  | Г  | Γ            |               |   | r |
|          | 47                    |          |  |  |              | L              |  |  | L            |               |   |   |
|          | 48                    |          |  |  |              |                | L  | $\Box$   |              |               |   | Ĺ |
|          | 49                    |          | L  | <u> </u>   |              | L              | <u> </u>   | <u> </u>   | L.           | <u> </u>      |   | L |
| L        | 50                    | L_       |  | L  |              |                |  |  |              |               |   | L |

| Cla                       | Claim          |  | Date     |  |  |  |          |               |                    |              |  |  |
|---------------------------|----------------|--|----------|--|--|--|----------|---------------|--------------------|--------------|--|--|
| -                         |                |  |          |  |  |  |          |               |                    | П            |  |  |
| <del>-</del> <del>-</del> | Original       |  |          |  |  |  |          |               |                    |              |  |  |
| Final                     | ġ              |  |          |  |  |  |          |               |                    |              |  |  |
| "                         | ō              |  |          |  |  |  |          |               |                    |              |  |  |
| -                         |                | _  |          | _  | ┡  | $\vdash$   | _        | _             |                    |              |  |  |
| ļ                         | 51             |  |          | _  | _  | Щ  | _        |               |                    | _            |  |  |
| <u></u>                   | 52             | _  |          | _  | _  | lacksquare                                       |          |               |                    | _            |  |  |
| L                         | 53             |  |          | _  |  |  |          |               |                    |              |  |  |
|                           | 54             |  |          |  |  |  |          |               |                    |              |  |  |
|                           | 55             |  |          |  |  | "  |          |               |                    |              |  |  |
|                           | 56             |  |          |  | Г  |  |          |               |                    |              |  |  |
|                           | 57             |  |          | Г  |  |  |          |               | Г                  |              |  |  |
|                           | 58             |  |          | Г  | _  |  | _        | _             | $\vdash$           | _            |  |  |
|                           | 58<br>59       |  |          | <del>                                     </del> | -  |  | $\vdash$ | $\overline{}$ | -                  |              |  |  |
|                           | 60             | -  | _        | ┢  | ┢  | -  | ⊢        | -             | -                  | H            |  |  |
| $\vdash$                  | 61             | -  |          | ┝  | ┝  |  | -        | -             | -                  | ┢            |  |  |
| $\vdash$                  | 60             |  | $\vdash$ | ├-   | $\vdash$   | -  | -        | -             | $\vdash$           | $\vdash$     |  |  |
| $\vdash$                  | 62             | ├-   | ├—       | <u> </u>   |  | -  | H        | <u> </u>      | H                  | ⊢            |  |  |
|                           | 63             | <u> </u>   | <u> </u> | L.   | <u> </u>   | L  |          |               |                    | <u> </u>     |  |  |
|                           | 64<br>65       | _  | <u> </u> | <u> </u>   | _  | <u> </u>   | $\vdash$ | L_            | _                  | <u> </u>     |  |  |
|                           | 65             |  | <u> </u> | <u> </u>   |  | <u></u>  | L        |               |                    | <u> </u>     |  |  |
|                           | 66             | L  | L        | L  | L  | L  |          |               |                    | L            |  |  |
|                           | 67             |  |          |  |  |  |          |               |                    |              |  |  |
|                           | 68             |  |          | Г  |  |  |          |               |                    | Г            |  |  |
|                           | 69             |  |          |  |  |  |          |               |                    |              |  |  |
|                           | 69<br>70       |  |          | Ì  | Ì  |  |          |               | Г                  | Г            |  |  |
|                           | 71<br>72<br>73 |  |          | Г  |  | Γ  |          | $\vdash$      |                    |              |  |  |
|                           | 72             |  |          |  | <u> </u>   | ┪  |          | Н             | <u> </u>           |              |  |  |
|                           | 73             |  | -        |  | Т  | _  | -        | Н             | T                  | Т            |  |  |
| $\vdash$                  | 74             | -  | -        | $\vdash$   | 1  | <del>                                     </del> | _        | $\vdash$      | $\vdash$           | Н            |  |  |
|                           | 74<br>75       | $\vdash$   | ┢        | $\vdash$   | -  |  | -        | $\vdash$      | ┢                  | $\vdash$     |  |  |
|                           | 76             | <del>                                     </del> | ┢        | ┢  | <del>                                     </del> | ┢  |          |               |                    | T            |  |  |
|                           | 77             | <u> </u>   | -        | $\vdash$   | $\vdash$   | ┢  |          |               | H                  | H            |  |  |
|                           | 77<br>78       | _  | $\vdash$ | $\vdash$   | 1  | ┪  |          |               |                    | Т            |  |  |
| _                         | 79             | ┢═   | $\vdash$ | -  | -  | -  |          |               |                    |              |  |  |
| -                         | 80             | ┢  | -        | ╌  | $\vdash$   | H  |          | $\vdash$      | ┢                  | ┢            |  |  |
|                           | 81             | ┝  | -        | $\vdash$   | ┢  | ⊢  |          | -             |                    | ┢            |  |  |
| <del> </del>              | 82             | ┢  | -        | ┢  | ┢  | ┢  | -        | -             | ┢                  | ⊢            |  |  |
|                           | 83             | -  |          | -  | -  | ┝  | -        | -             | ├─                 | ╢            |  |  |
|                           | 03             | $\vdash$   | $\vdash$ | $\vdash$   | -  | -  |          | -             | ⊢                  | $\vdash$     |  |  |
|                           | 84             | <u> </u>   | -        |  | <del> </del>                                     | ⊢-   | ├        |               |                    | ├-           |  |  |
| <u> </u>                  | 85             |  | <u> </u> | <del> </del>                                     |  | <u> </u>   | $\vdash$ | -             | <u> </u>           | <u> </u>     |  |  |
|                           | 86             | -  | _        | <u> </u>   | $\vdash$   | _  | $\vdash$ | <u> </u>      | <u> </u>           | <del> </del> |  |  |
|                           | 87             | _  |          | <u> </u>   | <u> </u>   | _  | <u> </u> | <u> </u>      | _                  | <u> </u>     |  |  |
|                           | 88             | _  |          | <u> </u>   | <u> </u>   | <u> </u>   | _        | <u> </u>      | <u> </u>           | <u> </u>     |  |  |
|                           | 89             |  | <u></u>  | <u> </u>   | L.   | <u> </u>   | <u> </u> | _             | <u> </u>           | _            |  |  |
|                           | 90             |  |          | <u> </u>   | _  |  |          | <u> </u>      | _                  |              |  |  |
|                           | 91             |  |          |  | _  |  |          |               |                    | L            |  |  |
|                           | 92             |  | L        | _  |  |  |          |               | _                  |              |  |  |
|                           | 93             |  | L        |  |  | $oxedsymbol{oxed}$                               |          |               |                    |              |  |  |
|                           | 94             | _  |          | $oxedsymbol{oxed}$                               |  |  |          |               | $oxedsymbol{oxed}$ |              |  |  |
|                           | 95             |  |          | L  |  |  |          |               |                    |              |  |  |
|                           | 96             |  |          |  |  |  |          |               |                    |              |  |  |
|                           | 97             |  |          |  | Г  |  |          |               |                    |              |  |  |
|                           | 98             | $\Box$   |          |  |  |  |          |               |                    |              |  |  |
|                           | 99             |  |          |  |  |  |          |               |                    |              |  |  |
|                           | 100            |  |          |  |  |  |          |               |                    |              |  |  |

| Claim  |                   |                   |          |              |          | Date   |          |            | -        | $\neg$          |
|--|-------------------|-------------------|----------|--------------|----------|--|----------|------------|----------|-----------------|
|  |                   |                   |          |              |          |  |          |            |          | $\sqcap$        |
| Final  | Original          |                   |          |              |          |  |          |            |          |                 |
|  | 101               |                   |          |              |          |  |          |            |          |                 |
|  | 102               |                   |          |              |          |  |          |            |          |                 |
|  | 103               |                   |          |              |          |  |          |            |          |                 |
|  | 104               |                   |          |              |          |  |          |            |          |                 |
| L  | 105<br>106        |                   |          |              |          |  |          |            |          |                 |
|  | 106               |                   |          |              |          |  |          |            |          |                 |
|  | 107               |                   |          |              |          |  |          |            |          |                 |
|  | 108               |                   |          |              |          |  |          |            |          |                 |
|  | 109               |                   |          |              |          |  |          |            |          |                 |
|  | 110               |                   |          | Ш            |          |  |          |            | _        | Щ               |
| $\vdash$   | 111               | $\vdash$          | $\vdash$ | <u> </u>     |          | <u> </u>   |          | _          |          |                 |
| <u> </u>   | 112               | <u> </u>          | <b>-</b> | <u> </u>     | _        | _  | -        | <u> </u>   | <u> </u> | Щ               |
| <u> </u>   | 113               |                   | <u> </u> | -            |          | <u> </u>   |          | -          | <u> </u> | Н               |
| <u> </u>   | 114               |                   | <u> </u> | $\vdash$     | $\vdash$ | $\vdash$   | $\vdash$ | <u> </u>   | ├—       | $\vdash \vdash$ |
| <u> </u>   | 115               | $\vdash$          | $\vdash$ | $\vdash$     | <u> </u> |  | -        | _          | -        | $\vdash\vdash$  |
| <del>                                     </del> | 116<br>117        | <u> </u>          |          | $\vdash$     | -        | <u> </u>   | $\vdash$ | -          | -        | Н               |
| <u> </u>   | 117               | _                 | ⊢        |              | -        | H  |          |            | ┝        |                 |
|  | 118<br>119        | _                 | ├        |              |          |  | -        |            | ├-       | $\vdash$        |
|  | 120               | $\vdash$          | ⊢        | $\vdash$     |          | $\vdash$   | -        | _          |          | Н               |
|  | 120               | $\vdash$          | -        | ┝            | _        | -  | -        |            | ┝        | Н               |
|  | 121<br>122        | _                 | ┝        | -            |          | $\vdash$   | $\vdash$ |            | ⊢        | Н               |
|  | 122               | -                 | -        | $\vdash$     | _        |  | $\vdash$ |            | ┝        | Н               |
|  | 123<br>124<br>125 | -                 | -        | -            | _        |  | ┝        |            | ┢        | Н               |
|  | 125               | _                 | -        | -            |          |  | $\vdash$ |            | -        | H               |
|  | 126               | _                 | $\vdash$ | -            |          | $\vdash$   | H        |            | $\vdash$ | Н               |
|  | 126<br>127        | $\vdash$          | -        |              | -        |  | $\vdash$ |            | $\vdash$ | Н               |
|  | 128               |                   | $\vdash$ | -            | _        | H  | Н        |            |          | H               |
|  | 129               |                   | _        | $\vdash$     |          |  | $\vdash$ |            | $\vdash$ | Н               |
|  | 129<br>130        |                   |          | $\vdash$     |          | Н  | $\vdash$ | _          | $\vdash$ | Н               |
| $\vdash$   | 131               |                   |          | Н            |          |  | _        |            | $\vdash$ | П               |
|  | 131<br>132        |                   |          | Г            |          |  |          | П          | $\vdash$ | М               |
|  | 133               |                   |          | Г            |          |  | _        |            | _        | М               |
|  | 134               |                   |          |              |          |  |          |            |          | П               |
|  | 135               |                   |          |              |          |  |          |            |          |                 |
|  | 136               |                   |          |              |          |  |          |            | L        |                 |
|  | 137<br>138        |                   |          |              |          |  |          |            |          |                 |
|  | 138               |                   |          |              |          |  |          |            |          |                 |
|  | 139               |                   |          |              |          |  |          |            |          | $\Box$          |
|  | 140               | $\Box$            |          | $\Box$       |          |  |          |            |          | Ш               |
| L  | 141               | L                 |          | لَـــا       |          | $oxed{oxed}$   | _        | L          | <u> </u> | Ш               |
|  | 142               |                   |          |              | L.       | <u> </u>   | L        |            |          | Ш               |
| <u></u>  | 143               | $ldsymbol{f eta}$ | <u> </u> | <u> </u>     | L        | <u> </u>   | L_       | <u>_</u>   | <u> </u> | Ш               |
|  | 144               | $oxed{oxed}$      | <u> </u> | <u> </u>     |          | L.   | _        | _          | _        | Щ               |
| <u> </u>   | 145               | ļ                 | <u> </u> | <u> </u>     |          | $oxed{oxed}$   | L.       | <u> </u>   | _        | $\sqcup$        |
| <u> </u>   | 146               | $\vdash$          | <u> </u> | <u> </u>     | <u> </u> | <u> </u>   | <u> </u> | <u> </u>   | <u> </u> | $\sqcup$        |
| <u></u>  | 147               | <u> </u>          | <u> </u> | <del> </del> | <u> </u> | <u> </u>   | <u> </u> | <u> </u>   | <b> </b> | Ш               |
| <u> </u>   | 148               | <u> </u>          | ├-       | —            | <u> </u> | $\vdash$   | <u> </u> | $\vdash$   | <u> </u> | $\vdash$        |
| <u> </u>   | 149               |                   | ⊢        | ├            | <u> </u> | <b> </b>   |          | <b> </b> _ | ├-       | Н               |
| <u></u>  | 150               | L                 |          | L            |          | $oldsymbol{ol}}}}}}}}}}}}}}}}}}$ |          | L_         |          | Ш               |